

SAMSUNG SSD

2.5" SATA 3.0Gb/s(SLC)

General				
	64GB	50GB	32GB	25GB
Manufacturer	SAMSUNG			
Model	2.5" 64GB SATA SSD			
Interface	SATA 3.0Gb/s			
Performance				
Host Transfer Rate	300MB/sec			
Maximum Sequential Read Rate	100MB/s			
Maximum Sequential Write Rate	80MB/s			
Drive Capacity				
	64GB	50GB	32GB	25GB
Unformatted Capacity	64GB	50GB	32GB	25GB
User-Addressable Sectors	125,045,424	97,696,367	62,533,296	48,858,768
Bytes per Sector	512	512	512	512
Electrical				
Voltage	5V ±5%			
Power Consumption				
Read/Write	0.48W/0.46W			
Idle (DIPM Enabled)	0.2W			
Stanby (DIPM Enabled)	0.2W			
Sleep (DIPM Enabled)	0.2W			
Reliability				
S.M.A.R.T Support	Yes			
MTBF	2,000,000 Hours			
Preventive Maintenance	None required			
Environment				
Temperature				
Operating	0°C to 70°C			
Non-Operating	-55°C to 95°C			
Shock				
Operating	1500G, (@ 0.5msec half sine wave)			
Non-Operating	1500G, (@ 0.5msec half sine wave)			
Vibration	20G Peak, 10 ~ 2000Hz, (15mins/ Axis) x3 Axis			
Humidity	0°C to 55°C / 90~98% RH			
Physical				
	2.5"			
Width	69.85 ± 0.25mn			
Height	9.5 ± 0.2mm			
Length	100.3 ± 0.2mm			
Weight	73g			